

MASS PRODUCIBLE CUSTOM-MADE SHOE INSERTS

ABSTRACT

[0071] A design concept for foot orthotics having several different optional features and sub-features is disclosed. The design is useful for supporting and correcting abnormal foot posture. The disclosure contemplates different types of footwear in addition to user's gender, age, weight, foot size, activity level and medical condition. Varying types of midfoot sections and heel portions are employed having specific arch support. The design further provides the benefits of custom foot casting while having mass producible parts. Also disclosed are design choices for thickness and width of the orthotics and preferred materials for a wide range of applications. Additionally, a method is disclosed for choosing particular orthotics for a particular person from a set of total possible orthotics available. The set of orthotics will contain sub-sets of specific arch heights, widths and thicknesses of orthotics.